The listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals ~~characterized in that~~ wherein it is based on exciting a coupler made by disposing two parallel coupled cavity waveguides close to one another, implemented in photonic crystals, in which the two guides are physically separated and can be suitably curved to extract the two output signals, output signals that cover the same physical path and so there is no delay between the two.

Claim 2 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, ~~characterized in that~~ wherein it is based on exciting the odd mode of the coupler obtaining at the output two signals with a 180° phase difference.

Claim 3 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to Claim 1, ~~characterized in that~~ wherein it is based on exciting the even mode of the coupler designed with greater bandwidth obtaining at the output two signals in phase.

Claim 4 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to ~~Claims 1, 2 and 3~~ Claim 1, ~~characterized in that~~ wherein it can use any type of 2D crystal.

Claim 5 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to ~~Claims 1, 2 and 3~~ Claim 1, ~~characterized in that~~ wherein it can use any type of 3D crystal.

Claim 6 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to ~~Claims 1, 4 and 5~~ Claim 1, ~~characterized in that~~ wherein it is for application in a photonic crystal with a triangular ~~network~~ lattice type.

Claim 7 (Currently Amended): Method of dividing a guided electromagnetic signal into two half-power signals using photonic crystals according to ~~Claims 1, 4 and 5~~ Claim 1, ~~characterized in that~~ wherein it is for application in a photonic crystal with a square ~~network~~ lattice type.